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TSSG/ESD/TEB-14-69
21 April 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Pre-Acceptance Tests of the [REDACTED] Processor

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1. A trip was made [REDACTED] during 7-12 April [REDACTED] TSSG/DED for the purpose of witnessing pre-acceptance tests of the reworked [REDACTED] Processor. The trip was extended by one day in order to complete the planned test program. This was caused by the contractor not having the machine completely ready for tests and because of several design failures made evident by the test program.

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2. After an overall examination of the processor, tests were made for accuracy of machine controls, detrimental surface effects due to tracking, processing uniformity, gamma control, film drying, and for solution carryover between tank modules. These tests progressed rather slowly because of reasons given above.

3. Test results show that many problem areas and contract work statement discrepancies exist with the [REDACTED] Processor in its present configuration. Major of these are, (1) the processor will not process film with uniformity, (2) will not dry film sufficiently, (3) requires externally supplied pre-heated replenishment chemicals at constant high temperatures thereby necessitating sophisticated support equipment, and (4) the processor requires considerable attention just to maintain it in an operating mode.

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4. It is my opinion that the [REDACTED] Processor requires major redesign and fabrication before any additional testing is justified. This may not be desirable since some of the original major design concepts have been lost or proven unsuccessful in the development of the processor up to this time.

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Declass Review by
NIMA/DOD

[REDACTED]
NPIC/TSSG/ESD/TEB

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Distribution:

- Orig. & 2 - NPIC/TSSG/ESD/TEB
- 1 - NPIC/TSSG/ESD
- ✓ 1 - NPIC/TSSG/DED [REDACTED]

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GROUP
Excluded from automatic
downgrading and
declassification